

CP 2684
PATENT APPLICATION
DOCKET NO. 34648-415USPT
P09713

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ritzen et al.

Serial No.: 09/189,099

Filed: November 9, 1998

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Examiner: Y. Woldetatos

Group Art Unit: 2684

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FEB 04 2002

Technology Center 2600

For: CELLULAR COMMUNICATIONS NETWORK AND METHOD FOR
DYNAMICALLY CHANGING THE SIZE OF A CELL DUE TO SPEECH QUALITY

Box Non-Fee Amendment
Commissioner for Patents
Washington, DC 20231

Dear Sir:

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Box Non-Fee Amendment, Commissioner for Patents, Washington, D.C. 20231 on DECEMBER 12, 2001.

By: ELLA R. SISCO

Signature: ELLA R. Sisco

TRANSMITTAL LETTER

Transmitted herewith in the above-identified application are:

- 1) Reply to Office Action Under 37 C.F.R. § 1.116, Appendix A; and
- 2) Return Postcard.

FOR	NUMBER FILED - PAID	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL Claims	27 -27=	0	x \$ 18.00 =	\$0.00
INDEPENDENT Claims	3 -3=	0	x \$ 84.00 =	\$0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable) N/A			1 x \$260.00 =	\$0.00
TOTAL OF ABOVE CALCULATIONS =				\$0.00
REDUCTION BY ½ FOR FILING BY SMALL ENTITY (Note 37 C.F.R. 1.9, 1.27, 1.28). IF APPLICABLE, VERIFIED STATEMENT MUST BE ATTACHED. (N/A)				\$0.00
Total =				\$0.00

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The Assistant Commissioner is hereby authorized to charge any additional fees required for this submission to Deposit Account 10-0447, reference 34648-415USPT(DGN).

Respectfully submitted,

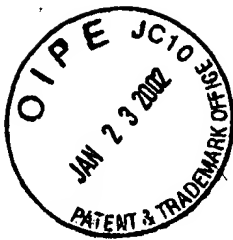
JENKENS & GILCHRIST
A Professional Corporation



Daniel G. Nguyen
Reg. No. 42,933

Date: 12/12/01

Jenkins & Gilchrist
A Professional Corporation
1445 Ross Avenue, Suite 3200
Dallas, Texas 75202
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Fax: (713) 286-2003



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Technology Center 2600

PATENT APPLICATION
DOCKET NO. 34648-415USPT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Benny Ritzén et al.

Serial No.: 09/189,099

Filed: November 9, 1998

Title: CELLULAR COMMUNICATIONS NETWORK AND METHOD FOR
DYNAMICALLY CHANGING THE SIZE OF A CELL DUE TO SPEECH
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By: ELLA R. SISCO

Ellen R. Sisco
Signature

REPLY TO OFFICE ACTION PURSUANT TO 37 C.F.R. § 1.111

Responsive to the Office Action dated September 13, 2001, reconsideration and allowance of the present application is respectfully requested in view of the following amendments and remarks.

AMENDMENTS

A. IN THE CLAIMS

Please replace Claims 1 and 18 with the following:

1. (Twice Amended) A method for improving speech quality in a cellular communications network, said method comprising the steps of:

selecting a cell from a plurality of cells forming the cellular communications network;

evaluating a first plurality of mobile reports received from mobile terminals located within a border area of the cell;

determining, in response to evaluating the first plurality of mobile reports, a speech quality value within a portion of the cell along the border area; and

decreasing the portion of the cell when a lower threshold exceeds the speech quality value; or

increasing the portion of the cell when the speech quality value exceeds an upper threshold.

18. (Twice Amended) A cellular communications network comprising:

a cell;

a first transceiver station located within the cell;

a first plurality of mobile terminals located in a portion of said cell and within a border area of the cell, said portion includes the cell border area or a section of the cell border area; and

a controller for receiving a first plurality of mobile reports, said controller further including:

means for determining an average speech quality value of the portion of the cell along the border area in response to receiving the first plurality of mobile reports; and

means for decreasing the portion of the cell when a lower threshold exceeds the average speech quality value; or

means for increasing the portion of the cell when the average speech quality value exceeds an upper threshold.